

Expert Cryptograms — Set 31

6 puzzles · Large print · answers on the last page

Every letter has been swapped for another letter. The same cipher letter always stands for the same letter, and no letter ever stands for itself. Write your answer in the blank under each letter. Answers are on the last page.

1. Clue: F = E

Expert · 45 letters

I O A T A M I L R F Z M R F N

O H F X I F U X Z F A M R F T

I F D X I I J S F, Q T

V Q M R .

Decoder — write your answer under each cipher letter:

A	B	C	D	E	F	G	H	I	J	K	L	M
N	O	P	Q	R	S	T	U	V	W	X	Y	Z

2. Clue: H = E

Expert · 45 letters

X U F O F G J B S H Q G H

J T H E T H H I G A Y X U F

E U F I V T Q K H J T H

P Q S S F M .

Decoder — write your answer under each cipher letter:

A	B	C	D	E	F	G	H	I	J	K	L	M
N	O	P	Q	R	S	T	U	V	W	X	Y	Z

3. Clue: O = E

Expert · 45 letters

V U O G T S Y O C K

Z M A S O Q A O S F U O A

V U O Z P C Q C A N I C K

N Z X T C V V O S .

Decoder — write your answer under each cipher letter:

A	B	C	D	E	F	G	H	I	J	K	L	M
N	O	P	Q	R	S	T	U	V	W	X	Y	Z

4. Clue: N = U

Expert · 45 letters

P O V Y N R Y N Z A I D J C
G I C Z D S W Q N U H , V Y N
S N E G W Y N U Y P Z
P H G Y P G .

Decoder — write your answer under each cipher letter:

A	B	C	D	E	F	G	H	I	J	K	L	M
N	O	P	Q	R	S	T	U	V	W	X	Y	Z

5. Clue: Y = E

Expert · 45 letters

I Y V D Z C L J B I Y Q Q

P V D L L P B L R K T

M J L R A Y E Y W J R B Y

B C Y D B P Q K .

Decoder — write your answer under each cipher letter:

A	B	C	D	E	F	G	H	I	J	K	L	M
N	O	P	Q	R	S	T	U	V	W	X	Y	Z

6. Clue: B = I

Expert · 45 letters

K R K X A E J B Q T B Y

O S X E J O J U E B E Y

Z V X H J U Y K X O B F F

Z U A W S X B E .

Decoder — write your answer under each cipher letter:

A	B	C	D	E	F	G	H	I	J	K	L	M
N	O	P	Q	R	S	T	U	V	W	X	Y	Z

Solver's cheat sheet**Most common letters**

E T A O I N S H R D L U

Most common 1-letter words

A I

Most common 2-letter wordsOF TO IN IT IS BE AS AT SO WE HE BY OR ON DO IF ME MY
UP AN GO NO US AM**Most common 3-letter words**THE AND FOR ARE BUT NOT YOU ALL ANY CAN HER WAS ONE
OUR OUT DAY GET HAS HIM HIS HOW MAN NEW NOW OLD SEE
TWO WAY WHO BOY DID ITS LET PUT SAY SHE TOO USE**Common double letters**

LL EE SS OO TT FF RR NN PP CC

Common word endings

-ING -ION -ENT -TION -LY -ED -ER -EST

After an apostropheT (don't) S (it's) RE (we're) VE (I've) LL (we'll) D
(I'd)

Answer key

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1. "Spirits when they please can either sex assume, or both."

— John Milton, 1667, *Paradise Lost*, Book I. Line 423 (in *Bartlett's Familiar Quotations*, 9th ed., 1891)

Cipher key: A=I B=Z C=K D=X E=J F=E G=V H=L I=S J=U K=F L=W M=T N=Y O=P P=Q Q=O R=H S=M T=R
U=C V=B W=D X=A Y=G Z=N

2. "You must grease the wheels if you would have the car run."

— Italian proverb, 1857, Recorded with English translation in Henry G. Bohn, *A Polyglot of Foreign Proverbs* (London, 1857)

Cipher key: A=I B=G C=Q D=Z E=W F=U G=S H=E I=L J=T K=V L=X M=N N=P O=M P=C Q=A R=J S=R T=H
U=O V=D W=K X=Y Y=F Z=B

3. "The judge is condemned when the criminal is acquitted."

— Publilius Syrus, 42 BC, *Sententiae (Maxims)*, 407 (in *Bartlett's Familiar Quotations*, 9th ed., 1891)

Cipher key: A=N B=K C=I D=F E=V F=W G=J H=B I=L J=P K=S L=Y M=O N=A O=E P=R Q=M R=X S=D T=U
U=H V=T W=Z X=Q Y=G Z=C

4. "If you would have the lamp burn, you must pour oil into it."

— German proverb, 1857, Recorded with English translation in Henry G. Bohn, *A Polyglot of Foreign Proverbs* (London, 1857)

Cipher key: A=D B=J C=E D=A E=S F=X G=T H=N I=H J=V K=G L=Z M=Q N=U O=F P=I Q=B R=W S=M T=K
U=R V=Y W=P X=C Y=O Z=L

5. "We might as well omit to study Nature because she is old."

— Henry David Thoreau, 1854, *Walden*

Cipher key: A=R B=S C=H D=I E=B F=P G=J H=Q I=W J=A K=D L=T M=N N=X O=Z P=O Q=L R=U S=V T=Y
U=K V=M W=C X=F Y=E Z=G

6. "Everything is worth what its purchaser will pay for it."

— Publilius Syrus, 42 BC, *Sententiae (Maxims)*, 847 (in *Bartlett's Familiar Quotations*, 9th ed., 1891)

Cipher key: A=Y B=I C=B D=X E=T F=L G=J H=C I=Z J=H K=E L=M M=Q N=D O=W P=K Q=N R=V S=O T=G
U=A V=U W=F X=R Y=S Z=P